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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/017,506	12/14/2001	Heinz Koppl	1406/308	5589	
25297 759	90 09/26/2006		EXAMINER		
JENKINS, WILSON, TAYLOR & HUNT, P. A.			STEVENS, THOMAS H		
3100 TOWER E SUITE 1200	SLVD		ART UNIT	PAPER NUMBER	
DURHAM, NC 27707			2123		
			DATE MAILED: 09/26/2000	DATE MAILED: 09/26/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/017,506	KOPPL ET AL.		
Examiner	Art Unit		
Thomas H. Stevens	2123		

	Thomas H. Stevens	2123	
The MAILING DATE of this communication appe	ars on the cover sheet with the c	correspondence add	ress
THE REPLY FILED 06 September 2006 FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
1. The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance time periods:	ving replies: (1) an amendment, affitice of Appeal (with appeal fee) in the with 37 CFR 1.114. The reply me	fidavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)
a) The period for reply expires 3 months from the mailing date			
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (TWO MONTHS OF THE FINAL REJECTION. See MPEP 7)	ater than SIX MONTHS from the mailin (b). ONLY CHECK BOX (b) WHEN THI	g date of the final rejecti	on.
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	on which the petition under 37 CFR 1. tension and the corresponding amount shortened statutory period for reply origon than three months after the mailing da	of the fee. The appropr inally set in the final Offi	iate extension fee ce action; or (2) as
 The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter a Notice of Appeal has been filed, any reply must be filed AMENDMENTS 	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	ns of the date of e appeal. Since
 The proposed amendment(s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection, in the proposed amendment (s) filed after a final rejection (s) filed after a final rejection (s) filed after a final rejection (s) filed after a filed aft	nsideration and/or search (see NO		ecause
(c) They are not deemed to place the application in bet appeal; and/or		ducing or simplifying	the issues for
(d) ☐ They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).			
4. The amendments are not in compliance with 37 CFR 1.13		empliant Amendment	(PTOL-324).
 5. Applicant's reply has overcome the following rejection(s) 6. Newly proposed or amended claim(s) would be al non-allowable claim(s). 		timely filed amendme	ent canceling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is provided that the status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 1-9. Claim(s) withdrawn from consideration:		ll be entered and an e	explanation of
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appe	al and/or appellant fai	ils to provide a
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	•		•
 The request for reconsideration has been considered bu <u>See Continuation Sheet.</u> 		n condition for allowa	nce because:
12. ☐ Note the attached Information Disclosure Statement(s).13. ☐ Other:	(PTO/SB/08) Paper No(s)	7.60	and _
		PAUL RODRI SUPERVISORY PATE TECHNOLOGY CE	nt examiner

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06)

Continuation of 11. does NOT place the application in condition for allowance because: issues remain outstanding. Regarding claims 1 and 8 applicants admit Wilkinson's disclosure of multitone signals. While applicants state Wilkinson does not disclose a digital filter to model an analog circuit, there is prior art of this endeavor teaching a digital filter modeling an analog circuit. Applicants state that Wilkinson does not disclose "obtaining the nonlinear model for the analog circuit by adjusting the nonlinear model utilizing output signals for both the analog circuit and the nonlinear model in order to obtain the nonlinear model"; however, this limitation, verbatim, is not claimed. Furthermore, applicants state that Wilkinson does not disclose "at least one carrier being suppressed". One of ordinary skill in the art of RF communications would recognize downcoversion as part of the process of extracting the carrier wave i.e., superheterodying AM/FM receivers (see Wilkinson, pg 60, left column, 3rd paragraph "RF conversion"). Regarding claims 6 and 7, the Hjartson reference does not teach any simulation but does teach digital filtering (see column 6, lines 66-67 "A/D converter proceeds anti-alias filter"), while Wilkinson does teach simulation (see abstract), Rejection stands.

Although, the Office has indicated allowability of claim 3, claim 3's amendment ensued antecedent problems. Some lack antecedent supports, others are a matter of changing the article. Furthermore, other claims have the same problem. The following is a list and recommendations to correct these deficiencies:

Claim 1, lines 8 and 9, "the output file" Claim1, lines 15 and 16, "the intermodulation product"

Claim 3, line 7, "the analog circuit"

Claim 3, lines 9 and 10, "the output signal"

Claim 3, lines 15 and 16, "the intermodulation product"

Claim 6, lines 9 and 10, the output signal"

Claim 6, lines 15 and 16, "the intermodulation product" change to "intermodulatin products"

Claim 8, line 6, "the signal inputs" suggestion: "signal outputs"

Claim 8, lines 9 and 10, "the output signal"

Claim 8, line 10, "the associated analog circuit" suggestion: "associated analog circuit"

Claim 8, line 15, "the output signal"

Claim, 8, line 16, "the intermodulation products"

Claim 9, line 2, "the test circuit"

Claim 9, line 2, "the multitone signal power ratio" Claim 9, line 3, "the output signals"